Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Previously Presented) An image processing method of an image processing device in which a whole image region containing image data after a projection transformation is partitioned into a plurality of regions by partitioning lines in a horizontal direction and a vertical direction in order to carry out a projection transformation in each of the regions, the method comprising:

a region setting step for carrying out the partitioning so that the regions do not contain a straight line passing through an origin in the horizontal direction and a straight line passing through the origin in the vertical direction, wherein the above step is performed by a processor.

2.   (Previously Presented) The image processing method according to claim 1, wherein the region setting step comprises:

a first setting step for carrying out the partitioning at a default size; and

a second setting step for further partitioning first regions set in the first setting step when the first regions contain the straight line passing through the origin in the horizontal direction or the straight line passing through the origin in the vertical direction, so that neither of the straight lines is contained.

3.   (Previously Presented) The image processing method according to claim 1, wherein the region setting step comprises:

a first setting step for carrying out the partitioning at a default size; and

a second setting step for changing the size of all the first regions set in the first setting step when any of the first regions contain the straight line passing through the origin in

the horizontal direction or the straight line passing through the origin in the vertical direction, so that all the first regions do not contain the straight lines.

4. (Previously Presented) An image processing device for partitioning a whole image region containing image data after a projection transformation into a plurality of regions by partitioning lines in a horizontal direction and a vertical direction in order to carry out a projection transformation in each of the regions, the device comprising:

region setting means for carrying out the partitioning so that the regions do not contain a straight line passing through an origin in the horizontal direction and a straight line passing through the origin in the vertical direction; and

transformation means for carrying out a project transformation in each region.

5. (Currently Amended) A A non-transitory computer-readable medium storing an executable program, when executed, causing a computer to execute a process in which a whole image region containing image data after a projection transformation is partitioned into a plurality of regions by partitioning lines in a horizontal direction and a vertical direction in order to carry out a projection transformation in each of the regions, the executable program comprising:

a region setting step for carrying out the partitioning so that the regions do not contain a straight line passing through an origin in the horizontal direction and a straight line passing through the origin in the vertical direction.

6. (Previously Presented) The image processing device according to claim 4, wherein the region setting means comprises:

a first setting means for carrying out the partitioning at a default size; and

a second setting means for further partitioning first regions set in the first setting means when the first regions contain the straight line passing through the origin in the

horizontal direction or the straight line passing through the origin in the vertical direction, so that neither of the straight lines is contained.

7.   (Previously Presented) The image processing method according to claim 4, wherein the region setting means comprises:

a first setting means for carrying out the partitioning at a default size; and

a second setting means for changing the size of all first regions set in the first setting means when any of the first regions contain the straight line passing through the origin in the horizontal direction or the straight line passing through the origin in the vertical direction, so that all the first regions do not contain the straight lines.

8.   (Currently Amended) The ~~executable program~~ non-transitory computer-readable medium according to claim 5, wherein the region setting step comprises:

a first setting step for carrying out the partitioning at a default size; and

a second setting step for further partitioning first regions set in the first setting step when the first regions contain the straight line passing through the origin in the horizontal direction or the straight line passing through the origin in the vertical direction, so that neither of the straight lines is contained.

9.   (Currently Amended) The ~~executable program~~ non-transitory computer-readable medium according to claim 5, wherein the region setting step comprises:

a first setting step for carrying out the partitioning at a default size; and

a second setting step for changing the size of all first regions set in the first setting step when any of the first regions contain the straight line passing through the origin in the horizontal direction or the straight line passing through the origin in the vertical direction, so that all the first regions do not contain the straight lines.